



FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.			

SIGNALS

5,6 3,4,9,10 13,17 14,18 1,2,7,8
12" 12" 12" 12" 12"

SIGNS

28,31 20,21,24, 25,27 30
R 3-6(L) R 3-5(L) R 10-11b
30"x 36" 30"x 36" 24"x 30"

23a,19b 19a,23b
Ridge Road N. Ridge Rd. N. Ridge Rd. Ridge Road

D3-2 Sign 16"x Variable D3-2 Dual Sign 32"x Variable D3-2 Dual Sign 32"x Variable

22
SIGNAL AHEAD
PREPARE TO STOP WHEN FLASHING

NOTE: SIGNS 20,21,22,24,25,27 28 AND 31 ARE PROPOSED

- CONSTRUCTION DETAILS**
- A. Install 27' steel pole, with 40' mast arm. Relocate existing vehicle signal heads, signs and 20' lighting arm with 250 watt HPS luminaire from existing mast arm. (Note: one-2", 90 degree, Schedule 40 polyvinyl chloride bend).
 - B. Install 3/8" steel span wire, signal heads and signs.
 - C. Use existing 3/8" steel span wire, re-align signal heads, sign and install signal heads and signs. All new signs to be tethered using 1/4" tether wire.
 - D. Use existing 3/8" steel span wire and re-align signal heads, and sign.
 - E. Install 6' x 30' loop detector encased in 1/4" flexible tubing, quadrupole type (2-4-2 turns).
 - F. Install micro-loop probes.
 - G. Install handhole.
 - H. Install 1" flexible non-metallic electrical conduit for detector lead-in.
 - J. Install 2" (Schedule 40) polyvinyl chloride electrical conduit - trenched.
 - K. Install 2" (Schedule 80) polyvinyl chloride electrical conduit - trenched during construction.
 - L. Disconnect loop detectors.
 - M. Use existing handhole.
 - N. Use existing strain pole and remove existing three section signal head with arrows, R3-5(L) sign and R10-10 sign.
 - O. Cap and abandon existing conduit.
 - P. Use existing conduit.
 - Q. Use existing strain pole.
 - R. Install preformed pavement marking - white, 24" wide for stop line.
 - S. Use existing base mounted cabinet and controller.
 - T. Use existing span wire and remove existing three section signal head with arrows.
 - U. Use existing span wire and remove existing three-section signal head with arrows, R3-5 sign.
 - V. Remove existing handhole.
 - W. Use existing strain pole and remove existing three-section signal head with arrows.
 - X. Locate existing conduit and place handhole on it and pull back existing 2 conductor (aluminum shielded) wire and re-splice to new loop detector wire.
 - Y. Use existing handhole, pull back existing wires and re-run wires through new conduit to existing cabinet.
 - Z. Use existing signal equipment.
 - a. Remove existing handhole and sleeve existing conduit to new handhole.
 - b. Remove existing mast arm and place existing vehicle signal heads and signs on to new mast arm.
 - c. Use existing feed by BGE.
 - d. Use existing handhole, splice existing interconnect cable and rerun wires through new conduit to existing cabinet.
 - e. Install 4" (schedule 40) polyvinyl chloride electrical conduit-trenched.
 - f. Install 3" (schedule 80) polyvinyl chloride electrical conduit-pushed.
 - g. Install 4" (schedule 80) polyvinyl chloride electrical conduit-pushed.

- NOTES**
- 1. "D.O." indicates delay output loop detector.
 - 2. Geometrics shall be confirmed prior to the installation of signal equipment.
 - 3. Loop detectors and conduit shall be installed prior to the installation of pavement markings.
 - 4. Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards. All other pavement markings will be installed as part of the Developer's contract.
 - 5. Revision 'F' is a revision to the traffic signal built in 1978 under Contract S.H.A. No.: HO-508-501-785.
 - 6. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur the Contractor shall notify the appropriate Project Engineer immediately.
 - 7. The S.H.A. signal shop will perform all internal wiring and modifications to the existing cabinet, the Contractor will install and identify all cable going into the cabinet and contact Mr. Ed Rodenhizer at (410) 787-7650, seventy-two (72) hours prior to requiring the wiring of the existing cabinet.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G GAS MAIN
W WATER MAIN
S SEWER MAIN
E ELECTRIC CABLES
D STORM DRAIN
A AERIAL CABLES
T TELEPHONE CABLES

The Traffic Group
The Traffic Group, Inc.
Suite 600
40 W. Chesapeake Avenue
Towson, Maryland 21204
410-583-8405
1-800-583-8411
Fax 410-321-8458
Job No. 850126

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 130041018.56

TRAFFIC SIGNAL PLAN

US 40 AND RIDGE ROAD

COUNTY: HOWARD

TS/STD. NO. 951F-P SHEET NO. OF

DRAWN BY: J. GORDON
DES. BY: J. GORDON
CHK. BY: *Log Mile # 13004018*

DATE: 1"=20' F.A.P. NO. S.H.A. NO.

REVISIONS

APPROVALS

ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. DISTRICT ENGINEER - TRAFFIC
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

April 18, 1995
Modified Geo. for US40 and Ridge Rd
S.H.A. No. 850126-712
V.A.M. S.M.P. 1002 141